

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/957,709

DATE: 06/05/98  
TIME: 16:04:55

INPUT SET: S26380.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: HOGREFE, Holly  
6 HANSEN, Connie J  
7  
8 (ii) TITLE OF INVENTION: Polymerase Enhancing Factor (PEF)  
9 Extracts, PEF Protein Complexes, Isolated PEF Proteins,  
10 and Methods for Purifying and Identifying Them  
11  
12 (iii) NUMBER OF SEQUENCES: 89  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: David J. Kulik, Evenson, McKeown, Edwards &  
16 Lenahan P.L.L.C.  
17 (B) STREET: 1200 G Street, NW Suite 700  
18 (C) CITY: Washington  
19 (D) STATE: DC  
20 (F) ZIP: 20005  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER:  
30 (B) FILING DATE: 24-OCT-1997  
31 (C) CLASSIFICATION:  
32  
33 (viii) ATTORNEY/AGENT INFORMATION:  
34 (A) NAME: KULIK, David J  
35 (B) REGISTRATION NUMBER: 36,576  
36 (C) REFERENCE/DOCKET NUMBER: 1486/43163cp  
37  
38 (ix) TELECOMMUNICATION INFORMATION:  
39 (A) TELEPHONE: 202 628-8800  
40 (B) TELEFAX: 202 628-8844  
41  
42 (2) INFORMATION FOR SEQ ID NO:1:  
43  
44 (i) SEQUENCE CHARACTERISTICS:  
45 (A) LENGTH: 15 amino acids  
46 (B) TYPE: amino acid

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47 (C) STRANDEDNESS: unknown  
48 (D) TOPOLOGY: unknown  
49  
50 (ii) MOLECULE TYPE: peptide  
51  
52 (iii) HYPOTHETICAL: NO  
53  
54 (iv) ANTI-SENSE: NO  
55  
56 (v) FRAGMENT TYPE: N-terminal  
57  
58  
59  
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
61  
62 Xaa Xaa Leu His His Val Lys Leu Ile Tyr Ala Thr Xaa Xaa Xaa  
63 1 5 10 15  
64  
65 (2) INFORMATION FOR SEQ ID NO:2:  
66  
67 (i) SEQUENCE CHARACTERISTICS:  
68 (A) LENGTH: 15 amino acids  
69 (B) TYPE: amino acid  
70 (D) TOPOLOGY: unknown  
71  
72 (ii) MOLECULE TYPE: peptide  
73  
74 (iii) HYPOTHETICAL: NO  
75  
76 (iv) ANTI-SENSE: NO  
77  
78 (v) FRAGMENT TYPE: N-terminal  
79  
80  
81  
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
83  
84 Xaa Xaa Xaa Pro Asp Trp Xaa Xaa Arg Xaa Glu Xaa Leu Xaa Xaa  
85 1 5 10 15  
86  
87 (2) INFORMATION FOR SEQ ID NO:3:  
88  
89 (i) SEQUENCE CHARACTERISTICS:  
90 (A) LENGTH: 35 amino acids  
91 (B) TYPE: amino acid  
92 (D) TOPOLOGY: unknown  
93  
94 (ii) MOLECULE TYPE: peptide  
95  
96 (iii) HYPOTHETICAL: NO  
97  
98 (iv) ANTI-SENSE: NO  
99

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100 (v) FRAGMENT TYPE: N-terminal  
101  
102  
103  
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
105  
106 Xaa Leu Leu His His Val Lys Leu Ile Tyr Ala Thr Lys Xaa Arg Xaa  
107 1 5 10 15  
108  
109 Leu Val Gly Lys Xaa Ile Val Leu Ala Ile Pro Gly Xaa Xaa Ala Xaa  
110 20 25 30  
111  
112 Xaa Xaa Xaa  
113 35  
114  
115 (2) INFORMATION FOR SEQ ID NO:4:  
116  
117 (i) SEQUENCE CHARACTERISTICS:  
118 (A) LENGTH: 18 amino acids  
119 (B) TYPE: amino acid  
120 (D) TOPOLOGY: unknown  
121  
122 (ii) MOLECULE TYPE: peptide  
123  
124 (iii) HYPOTHETICAL: NO  
125  
126 (iv) ANTI-SENSE: NO  
127  
128 (v) FRAGMENT TYPE: N-terminal  
129  
130  
131  
132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
133  
134 Xaa Xaa Xaa Pro Asp Trp Xaa Xaa Arg Xaa Glu Xaa Leu Xaa Glu Xaa  
135 1 5 10 15  
136  
137 Xaa Xaa  
138  
139  
140 (2) INFORMATION FOR SEQ ID NO:5:  
141  
142 (i) SEQUENCE CHARACTERISTICS:  
143 (A) LENGTH: 17 amino acids  
144 (B) TYPE: amino acid  
145 (D) TOPOLOGY: unknown  
146  
147 (ii) MOLECULE TYPE: peptide  
148  
149 (iii) HYPOTHETICAL: NO  
150  
151 (iv) ANTI-SENSE: NO  
152

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153 (v) FRAGMENT TYPE: internal  
154  
155  
156  
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
158  
159 Xaa Tyr Asp Ala Val Ile Met Ala Ala Val Val Asp Phe Arg Pro  
160 1 5 10 15  
161  
162 Lys  
163  
164  
165 (2) INFORMATION FOR SEQ ID NO:6:  
166  
167 (i) SEQUENCE CHARACTERISTICS:  
168 (A) LENGTH: 24 amino acids  
169 (B) TYPE: amino acid  
170 (D) TOPOLOGY: unknown  
171  
172 (ii) MOLECULE TYPE: peptide  
173  
174 (iii) HYPOTHETICAL: NO  
175  
176 (iv) ANTI-SENSE: NO  
177  
178 (v) FRAGMENT TYPE: internal  
179  
180  
181  
182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
183  
184 Ala Asp Leu Val Val Gly Asn Thr Leu Glu Ala Phe Gly Ser Glu Glu  
185 1 5 10 15  
186  
187 Asn Gln Val Val Leu Ile Gly Arg  
188 20  
189  
190 (2) INFORMATION FOR SEQ ID NO:7:  
191  
192 (i) SEQUENCE CHARACTERISTICS:  
193 (A) LENGTH: 17 amino acids  
194 (B) TYPE: amino acid  
195 (D) TOPOLOGY: unknown  
196  
197 (ii) MOLECULE TYPE: peptide  
198  
199 (iii) HYPOTHETICAL: NO  
200  
201 (iv) ANTI-SENSE: NO  
202  
203 (v) FRAGMENT TYPE: N-terminal  
204  
205

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206  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
208  
209 Gly Ala Met Leu His His Val Lys Leu Ile Tyr Ala Xaa Lys Leu Arg  
210 1 5 10 15  
211  
212 Lys  
213  
214  
215 (2) INFORMATION FOR SEQ ID NO:8:  
216  
217 (i) SEQUENCE CHARACTERISTICS:  
218 (A) LENGTH: 18 amino acids  
219 (B) TYPE: amino acid  
220 (D) TOPOLOGY: unknown  
221  
222 (ii) MOLECULE TYPE: peptide  
223  
224 (iii) HYPOTHETICAL: NO  
225  
226 (iv) ANTI-SENSE: NO  
227  
228 (v) FRAGMENT TYPE: N-terminal  
229  
230  
231  
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
233  
234 Gly Ala Met Leu His His Val Lys Leu Ile Tyr Ala Thr Lys Xaa Xaa  
235 1 5 10 15  
236  
237 Arg Lys  
238  
239  
240 (2) INFORMATION FOR SEQ ID NO:9:  
241  
242 (i) SEQUENCE CHARACTERISTICS:  
243 (A) LENGTH: 13 amino acids  
244 (B) TYPE: amino acid  
245 (D) TOPOLOGY: unknown  
246  
247 (ii) MOLECULE TYPE: peptide  
248  
249 (iii) HYPOTHETICAL: NO  
250  
251 (iv) ANTI-SENSE: NO  
252  
253 (v) FRAGMENT TYPE: N-terminal  
254  
255  
256  
257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/957,709**

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Original Text